Reg. No. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Question Paper Code | **12935**

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL / MAY 2024
Fifth Semester
Artificial Intelligence and Data Science
20AIEL507 - HUMAN COMPUTER INTERACTION
Regulations - 2020

Duration: 3 Hours | Max. Marks: 100

PART - A (10 × 2 = 20 Marks)
Answer ALL Questions

		Marks	K-Level	CO
1.	Define Human Computer Interaction.	2	K1	CO1
2.	Mention a few SDLC models.	2	K1	CO1
3.	Mention the two issues during the design phase.	2	K1	CO2
4.	Define prototyping.	2	K1	CO2
5.	Mention the types of Coupling and Cohesion.	2	K1	CO3
6.	What are the three basic components of ER Diagram?	2	K1	CO3
7.	What are the two types of review based testing?	2	K1	CO4
8.	What is program testing or formal testing?	2	K1	CO4
9.	Define Top-down testing and Bottom up testing.	2	K1	CO5
10.	Define Stubs and Drivers.	2	K1	CO5

PART - B (5 × 16 = 80 Marks)
Answer **Any FIVE** Questions

1.	Explain the different SDLC models.	16	K2	CO1
2.	Elaborate the different types of Non Functional Requirements Categories.	16	K2	CO1
3.	Explain about the 10 Heuristic Evaluation Proposed by Jacob Nielson's.	16	K2	CO2
4.	Explain about the Shneiderman's eight golden rules in detail.	16	K2	CO2
5.	Discuss about Data Flow Diagram Concept with an Example.	16	K2	CO3
6.	Explain the Concept of Entity Relationship Diagram with an Example.	16	K2	CO3
7.	Explain black box testing in detail.	16	K2	CO4
8.	Explain the different stages of system testing and its types.	16	K2	CO5

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create